

COVERAGE NAME: DAMS

COVERAGE AREA: STATEWIDE

COVERAGE DESCRIPTION:

Point coverage of "Dams within the jurisdiction of the State of California" (Bulletin 17-93, California Department of Water Resources (DWR), Division of Safety of Dams, Sacramento).

Jurisdictional Dams are defined as "artificial barriers, together with appurtenant works, which are 25 feet or more in height or have an impounding capacity of 50 acre-feet or more. Any artificial barrier not in excess of 6 feet in height, regardless of storage capacity, or that has a storage capacity not in excess of 15 acre-feet, regardless of height, is not considered jurisdictional." (DWR Bulletin 17-93).

The coverage was prepared by the California Department of Fish and Game, Inland Fisheries Division GIS Staff from a database file provided by Floyd Brooks, DWR, containing latitude/longitude coordinates and descriptive data for each dam.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin:	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees N)
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	DWR Div. of Safety of Dams (Bulletin 17-93, June 1993) (Received from California Dept. of Fish and Game)
Source Media:	floppy disk
Source Projection:	none
Source Units:	latitude/longitude decimal degree values to three places
Source Scale:	not applicable (compatible with 250K accuracy standards)
Capture Method:	ARC/INFO generate command
Conversion Software:	Workstation ARC/INFO Version: 7.x
Data Structure:	vector
ARC/INFO Coverage Type:	point
ARC/INFO Precision:	single

ARC/INFO Tolerances: default
 Number of Features: 1427
 Size: appx. 850K as uncompressed export file (.e00)
 Data Updated: 6-17-93; 7-11-97 (from diskette received 6/97)

DATA DICTIONARY:

Point Attribute Table

NOTE: Items common to all POLYGON coverages: AREA, PERIMETER,
 DAMS# and DAMS-ID are not described here.

Col	Field Name	Type	Width	Decimal	Description
17	DAMNAME	C	20		Owner's name of dam
37	DNUM	C	8		DWR dam number
45	OWNER	C	36		Name of owner
81	COUNTY	C	15		County of dam location
96	STREAM	C	20		Stream of dam location
116	SECTION	C	2		Public land survey (pls)
118	TOWN	C	3		Pls township
121	RANGE	C	3		Pls range
124	BM	C	2		Pls baseline/meridian
126	NATID	C	7		Dam ID, National system
133	LATITUDE	F	8	3	Decimal degrees, 3 places
141	LONGITUD	F	8	3	Decimal degrees, 3 places
149	TYPE	C	4		Main dam type(see Bull.17 abbreviation list) common types: ERTH=earth fill GRAV=gravity HYDF=hydraulic fill ROCK=rock fill VARA=variable radius arch
153	CAPACITY	F	10	0	Impoundment, acre-feet
161	DRAINAGE	F	10	3	Basin area in square mi.
169	RESAREA	F	10	0	Area of reservoir, acres
177	CRESTEL	F	10	3	Elev. of crest, feet (asl)
185	LENGTH	F	10	0	Crest length, feet
193	PARACODE	C	3		Parapet code: 1=structural impound wall 2=non-structural wall 3=no wall
196	HEIGHT	F	10	0	Crest to lower outside
204	FBOARD	F	10	3	Freeboard, vertical dist. (ft.)from crest to lowest point of spillway control

212	OPERFB	F	10	3	Operating freeboard, if spillway controls used
220	WIDTH	F	10	0	Crest width, feet
228	VOLUME	F	10	0	Dam volume, cubic yards
236	YEARBLT	C	8		Year completed

(See DWR Bulletin 17-93 for complete field descriptions and abbreviations)

DATA QUALITY ASSESSMENT:

Positional accuracy has not been quantitatively determined. Assuming accurate decimal degree latitude/longitude coordinates to 3 places, the dam positions are compatible with 1:250K map accuracy standards. Attribute completeness is good. Reservoir data are subject to change with hydrologic conditions.

RESPONSIBILITY FOR DATA ACCURACY AND UPDATES:

Name: Floyd Brooks

Organization: CA Department of Water Resources, Division of Safety of Dams

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